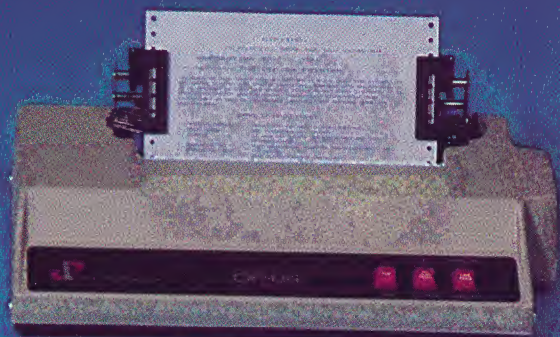




DIP, inc.

745 ATLANTIC AVENUE/BOSTON, MA 02111/(617)482-4214

A line of Hi-Q* Printers



DIP-84G



DIP-82



DIP-81



DIP-85

- 100% Continuous Duty Cycle
- High Performance
- Low Cost
- Human-Engineered for Ease of Service
- Made in U.S.A.

REPRESENTED BY
daner-hayes, inc.

- MA., N.H., ME., VT., R.I.
- CT., N.Y.C., L.I.
- UPSTATE NEW YORK
- NORTH NEW JERSEY
- E. PA., SO. N.J., DEL.

(617) 894-7290
(800) 225-8760
(716) 467-5100
(201) 246-2727
(215) 946-3100

The series 80 DIP printer, models DIP-81, 82, 84G and 85 is a family of HI-Q (High Quality) low cost dot matrix printers. They feature 7x7 or 14x7 matrix printing, upper/lower case character set, 100cps bidirectional print-speed, dot and block graphics, "finger clean" ribbon cartridge, and a low profile.

These printers are designed for maintenance ease and high reliability. It can be operated at 100% duty cycle. DIP-81 is intended for general print-out, DIP-84G features tractor and graphic capability. DIP-85, with its many TC and X-on X-off features, can interface directly with mini and micro computers. With extensive features and options to choose from, they are ideally suited for small business, educational, professional data processing, as well as industrial, laboratory and personal computing applications.

**High-Quotient of performance to cost.*

DIP-81



THRUPUT ☐ 60 line per minute (80 characters per line bidirectional).

NUMBER OF COLUMNS ☐ 80 at 10 pitch ☐ 40 at 5 pitch.

LINE SPACE ☐ 6 lines per inch.

CHARACTER BUFFER ☐ 80 characters.

MEDIA ☐ Plain paper ☐ Fanfold paper: 1 in. to 8.5 in., single or multiple copy, 0.013 in. maximum thickness ☐ Cut sheet paper: maximum width, 8.5 in. ☐ Roll paper: 8.5 in., by 5 in. diameter single or multiple copy.

PAPER FEED ☐ Friction roller.

PAPER FEED SPEED ☐ 1 Line per second.

DATA INPUT ☐ Standard Parallel: Centronics compatible 7-bit ASCII, TTL levels with Strobe, Acknowledge, Busy and Input Prime ☐ Optional Serial: RS232C or 20 ma current Loop with busy handshake, 10 or 11 bits; 110, 300, 600, 1200 baud.



DIP-82

THRUPUT ☐ 60 line per minute (80 characters per line bidirectional).

CHARACTER SIZE ☐ 6, software Controllable ☐ 80 at 10 pitch ☐ 96 at 12 pitch ☐ 132 at 16.5 pitch ☐ 66 at 8.25 pitch ☐ 40 at 5 pitch ☐ 48 at 6 pitch.

LINE SPACE ☐ 6 or 8 lines per inch, user selectable.

CHARACTER BUFFER ☐ 80 characters.

MEDIA ☐ Plain paper ☐ Fanfold paper: 1 in. to 8.5 in., single or multiple copy, 0.013 in. maximum thickness ☐ Cut sheet paper: maximum width, 8.5 in. ☐ Roll paper: 8.5 in. by 5 in. diameter single or multiple copy.

PAPER FEED ☐ Optional Tractor, stepping motor controlled ☐ Friction roller.

PAPER FEED SPEED ☐ 10 line per second.

OPERATOR CONTROLS ☐ Variable VT Control ☐ Controls common to all models.

FORM CONTROL ☐ Top-of-Form switch ☐ Variable vertical form feed through program control ☐ Variable VT settings by operator.

DATA INPUT ☐ Parallel: Centronics compatible 7-bit ASCII, TTL levels with Strobe, Acknowledge, Busy and Input Prime ☐ Optional Serial: RS232C or 20 ma Current Loop with busy handshake, 10 or 11 bits; 110, 300, 600, 1200 baud.

DIP-85



THRUPUT ☐ 60 line per minute, quick cancel feature allows thruput up to 150LPM for short lines.

CONTINUOUS INPUT ☐ Accepting data while printing.

GRAPHIC, DOT ☐ Dot addressable graphic.

GRAPHIC, BLOCK ☐ Optional 64 block characters.

CHARACTER SIZE ☐ 6, Software controllable ☐ 80 at 10 pitch ☐ 96 at 12 pitch ☐ 132 at 16.5 pitch ☐ 66 at 8.25 pitch ☐ 40 at 5 pitch ☐ 48 at 6 pitch.

LINE SPACE ☐ 6 or 8 lines per inch, user selectable ☐ Variable spacing in graphic mode.

CHARACTER BUFFER ☐ Standard 800 characters ☐ Optional: 2K.

MEDIA ☐ Plain paper ☐ Fanfold paper: 1 in. to 9.5 in., single or multiple copy, 0.013 in. maximum thickness ☐ Cut sheet paper: max. width, 9.5 in. ☐ Roll paper: 8.5 in. by 5 in. diam. single or multiple copy.

COMMON

PRINTING METHOD ☐ Impact 7 x 7 dot matrix, bidirectional.

PRINT SPEED ☐ 100 characters per second.

CHARACTER SET ☐ Full upper/lower case, 96 characters ASCII set.

CHARACTER FORMAT ☐ 7 x 7 matrix ☐ 14 x 7 matrix (expanded character).

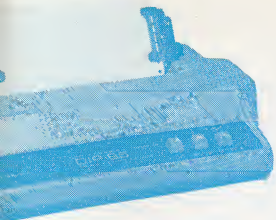
CHARACTER HEIGHT ☐ 0.1 Inch.

DUTY CYCLE ☐ 100% continuous w/o overheating.

PAPER LOADING ☐ Rear or Bottom.

RIBBON ☐ Continuous loop cartridge, 20 yards 0.5 in. wide, black.

OPERATOR CONTROLS ☐ Power on/off, with indicator ☐ Self Test, through LF & TOF ☐ Select/deselect, with indicator ☐ Top-of-Form ☐ Line Feed.



PAPER FEED ☐ Tractor, stepping motor controlled ☐ Friction roller.

PAPER FEED SPEED ☐ 10 line per second.

OPERATOR CONTROLS ☐ Variable VT Control ☐ Controls common to all models.

FORM CONTROL ☐ Top-of-Form Switch ☐ Variable vertical form feed through program control ☐ Variable VT settings by operator.

DATA INPUT ☐ Parallel: Centronics compatible 7-bit ASCII, TTL levels with Strobe, Acknowledge, Busy and input Prime ☐ Serial: RS232C or 20 ma Current Loop with busy handshake, 10 or 11 bits; 110, 330, 600, 1200, 2400, 4800 and 9600 baud.

X-on X-off ☐ Standard X-on X-off feature.

QUICK CANCEL ☐ For short lines.

PRINTING MODE ☐ Standard ☐ Enhanced (print same line twice) ☐ Double width (same as expanded) ☐ Double Enhanced (combination of above).

FEATURES

SELF TEST ☐ Simultaneous actuation of Line Feed and TOF push buttons initiates printer into the self test mode.

FORM CONTROL ☐ Top-of-Form Switch.

TEMPERATURE ☐ 5°C to 40°C (40°F to 105°F) operating ☐ 0°C to 70°C (32°F to 158°F) storage.

HUMIDITY ☐ 10% to 90% operating (non-condensing) ☐ 5% to 95% storage (non-condensing).

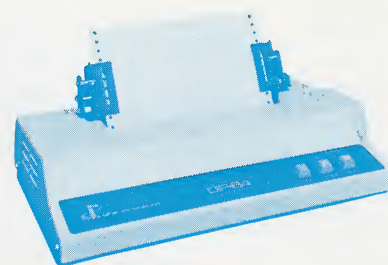
PHYSICAL DIMENSIONS ☐ 17.00" wide x 9.75" deep x 3.50" high (6.50" high including tractor).

INTERFACES CABLE CONNECTION ☐ Option 1: printer connector to 36 pin standard Centronics connector ☐ Option 2: printer connector to Cinch 25 pin standard RS232C for serial.

LIFE EXPECTANCY ☐ Disposable Print Head: 100 x 10⁶ characters ☐ Mechanism: 10 x 10⁶ characters ☐ Ribbon: 5 x 10⁶ characters.

POWER INPUT ☐ Standard: 115 VAC +/- 10% 50/60 HZ ☐ Optional: 230 VAC +/- 10% 50/60 HZ.

DIP-84G



THRUPUT ☐ 60 line per minute, quick cancel feature allows thruput up to 150LPM for short lines.

GRAPHIC ☐ Dot addressable graphics.

CHARACTER SIZE ☐ 6, Software controllable ☐ 80 at 10 pitch ☐ 96 at 12 pitch ☐ 132 at 16.5 pitch ☐ 66 at 8.25 pitch ☐ 40 at 5 pitch ☐ 48 at 6 pitch.

LINE SPACE ☐ 6 or 8 lines per inch, user selectable ☐ Variable spacing in graphic mode.

CHARACTER BUFFER ☐ Standard 800 characters ☐ Optional: 2K.

MEDIA ☐ Plain paper ☐ Fanfold paper: 1 in. to 9.5 in., single or multiple copy, 0.013 in. maximum thickness ☐ Fanfold paper: 1 in. to 8.5 in., single or multiple copy, 0.013 in. maximum thickness ☐ Cut sheet paper: maximum width, 9.5 in. ☐ Cut sheet paper: maximum width, 8.5 in. ☐ Roll paper: 8.5 in. by 5 in. diameter single or multiple copy.

PAPER FEED ☐ Tractor, stepping motor controlled ☐ Friction roller.

PAPER FEED SPEED ☐ 10 line per second.

OPERATOR CONTROLS ☐ Variable VT Control ☐ Controls common to all models.

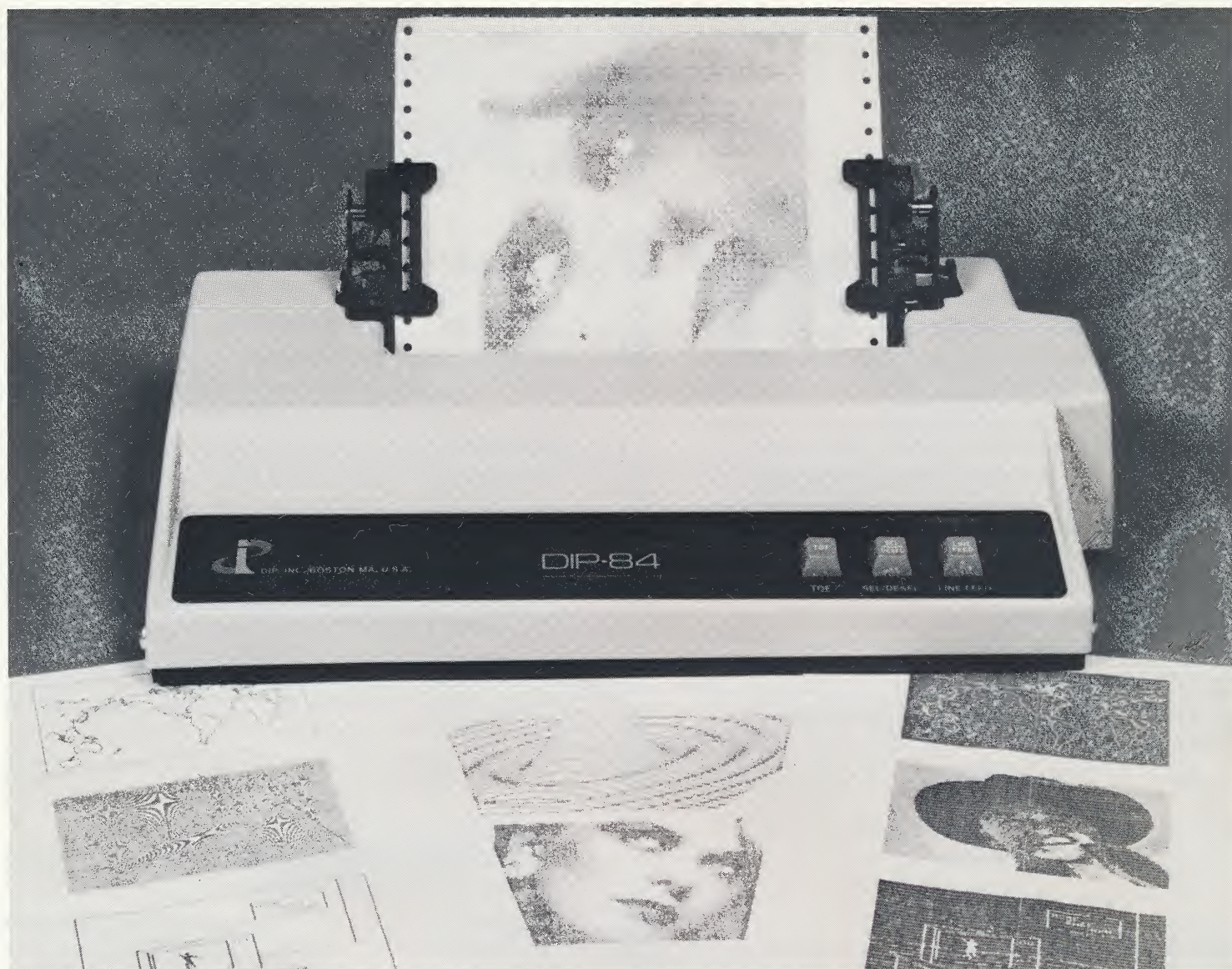
FORM CONTROL ☐ Top-of-Form switch ☐ Variable vertical form feed through program control.

DATA INPUT ☐ Parallel: Centronics compatible 7-bit ASCII, TTL levels with Strobe, Acknowledge, Busy and Input Prime ☐ Serial: RS232C or 20 ma Current Loop with busy handshake, 10 or 11 bits; 110, 300, 600, 1200 baud.

QUICK CANCEL ☐ For short lines.



A Line of Hi-Q* Printers



----- THE DIP PRINT SAMPLES -----

NORMAL 80 CHARACTER 10 PITCH

!"#\$%&'()*+,-./01
23456789:;<=>?@ABC
DEFGHIJKLMNOPQRSTU
VWXYZ[\]^_`abcdefg
hijklmnopqrstuvwxyz

EXPANDED 80 CHARACTER 5 PITCH

!"#\$%&'()*+,-./01
23456789:;<=>?@ABC
DEFGHIJKLMNOPQRSTU
VWXYZ[\]^_`abcdefg
hijklmnopqrstuvwxyz

NORMAL 96 CHARACTER 12 PITCH

!"#\$%&'()*+,-./01
23456789:;<=>?@ABC
DEFGHIJKLMNOPQRSTU
VWXYZ[\]^_`abcdefg
hijklmnopqrstuvwxyz

EXPANDED 96 CHARACTER 6 PITCH

!"#\$%&'()*+,-./01
23456789:;<=>?@ABC
DEFGHIJKLMNOPQRSTU
VWXYZ[\]^_`abcdefg
hijklmnopqrstuvwxyz

NORMAL 132 CHARACTER 16.5 PITCH

!"#\$%&'()*+,-./01
23456789:;<=>?@ABC
DEFGHIJKLMNOPQRSTU
VWXYZ[\]^_`abcdefg
hijklmnopqrstuvwxyz

EXPANDED 132 CHARACTER 8.25 PITCH

!"#\$%&'()*+,-./01
23456789:;<=>?@ABC
DEFGHIJKLMNOPQRSTU
VWXYZ[\]^_`abcdefg
hijklmnopqrstuvwxyz

